



## Personal information

Surname(s) / First name(s)

Email(s)

Date of birth

Gender

**Huran, Ahmad**

ahmad.houran@gmail.com

Jun 15 1988

male

## Current occupation

Place and Date

Position

Research Topic

Martin-Luther University of Halle-Wittenberg, 2016 – current

PhD student in the group of Prof. Dr. Miguel A. L. Marques

Accurate and transferable tight-binding models for global structural prediction studies and the application thereof

## Experience with VASP

Day to day use

Special use

Knowledge of the inner workings

Typical computations of energetics and electronic structure at the level of semi-local and hybrid DFAs

Reparameterization of certain DFAs

Implementation of density-dependent mixing for global hybrid functionals, as introduced in "Marques, M. A. L., et al. PRB 83 3 (2011): 035119", in VASP-5.4.4.

## Education

Place and Date

Title of qualification

Research Topic

University of Valencia, 2014 – 2016

MSc in Theoretical Chemistry and Computational Modeling

Induced ring currents by an external magnetic field in circumcoronene and its nitrogen doped derivatives

Recognitions

The Extraordinary Master Award

Place and Date

Title of qualification

Research Topic

Recognitions

University of Salamanca, 2013 – 2014

MSc in Chemistry

Theoretical study of dynamics and stereodynamics of HLi+H reaction (Quantum Scattering)

The Extraordinary Master Award

Place and Date

Title of qualification

Damascus University, 2007-2013

BSc in Applied Chemistry

## Training

Place and Date

Internship Topic

Institution of Fundamental Physics CSIC Madrid March-May 2014

Quantum Dynamics of Three Body collisions

Place and Date

Internship Topic

University of Paul Sabatier (Toulouse III) February-May 2016

Implementing the Spin Partitioned Position Spread Tensor in the CASSCF module of the MOLPRO code.

## Scholarships

- Grant ERASMUS MUNDUS Scholarship under the EPIC Project University of Salamanca.  
September 2013- August 2014
- Grant ERASMUS MUNDUS Scholarship for the European Master in TCCM University of Valencia. September 2014-August 2016

## Personal skills and competences

Mother tongue(s)

Other language(s)

*Self-assessment  
European level<sup>(\*)</sup>*

**English**

**Spanish**

**German**

Programing skills and competences

## Arabic

English, Spanish, German

| Understanding |          | Speaking           |                   | Writing  |
|---------------|----------|--------------------|-------------------|----------|
| Listening     | Reading  | Spoken interaction | Spoken production |          |
| C2            | C2       | C1                 | C1                | B2       |
| Advanced      | Advanced | Advanced           | Advanced          | Advanced |
| A2            | A2       | A2                 | A2                | A2       |

<sup>(\*)</sup>Common European Framework of Reference (CEF) level

FORTRAN, Python. Willing to learn more when needed.